Modeling Framework

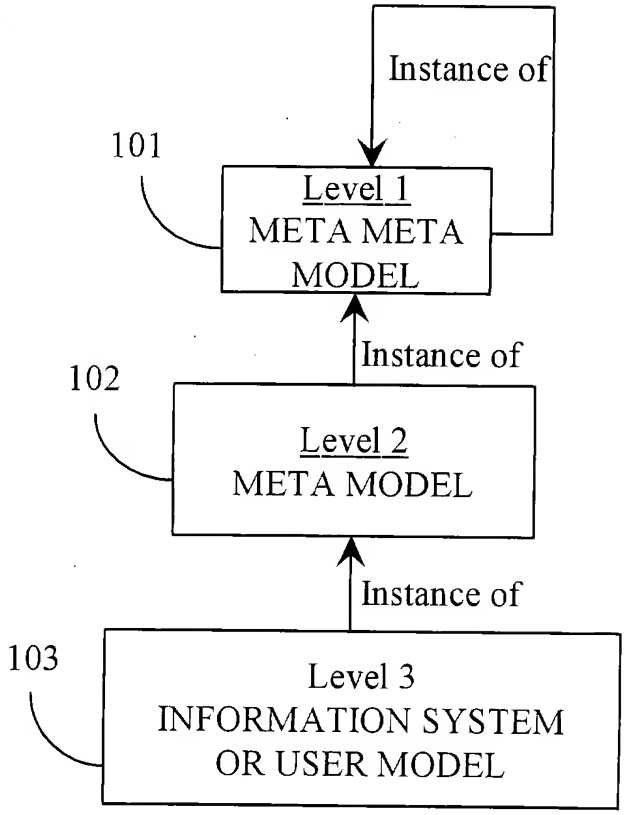


Fig. 1

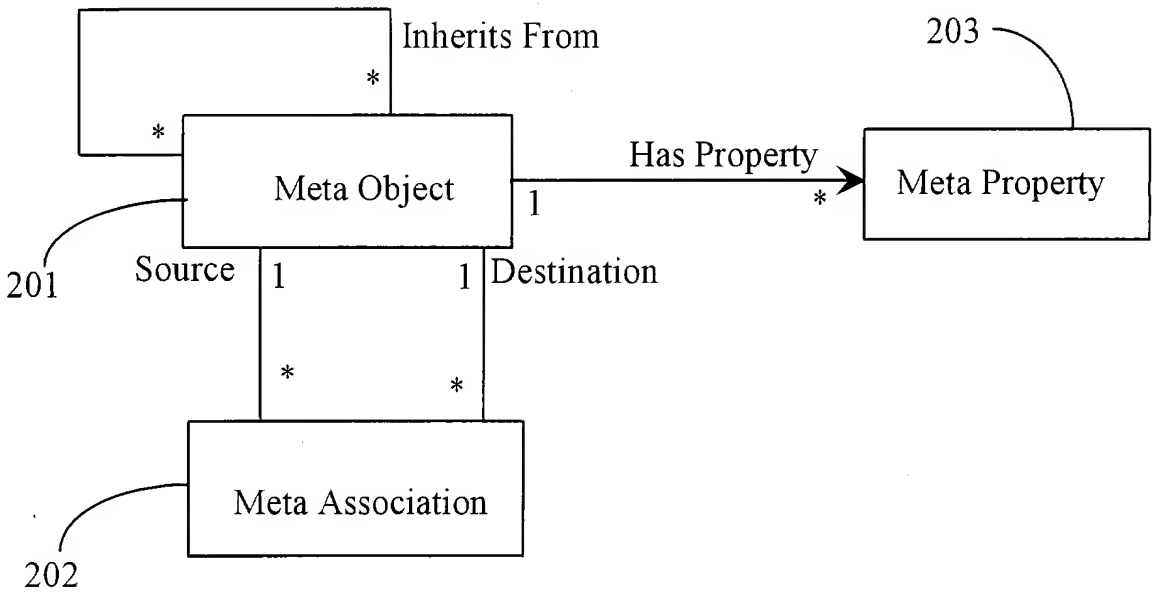

Inherits From
*
*
Meta Object
Has Property
1
*
Meta Property
203
201
Source
1
1
Destination
*
*
Meta Association
202

Fig. 2

Pattern Model

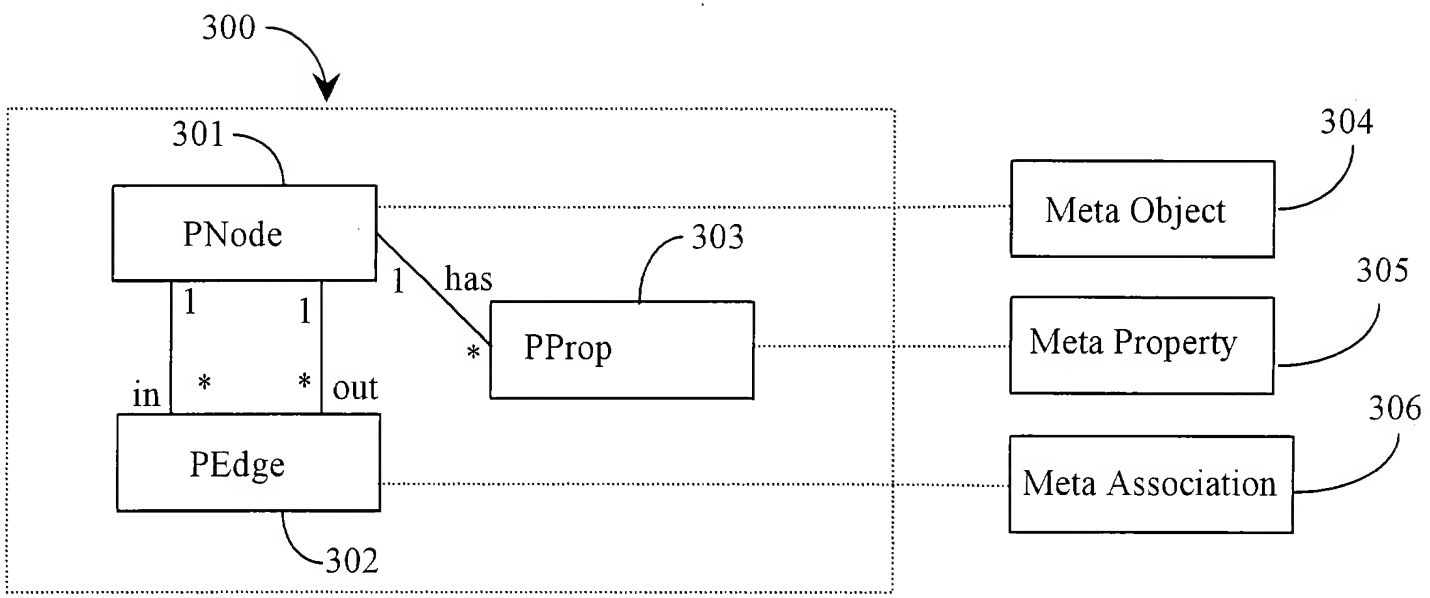


Fig. 3

Difference Computation Data Structure

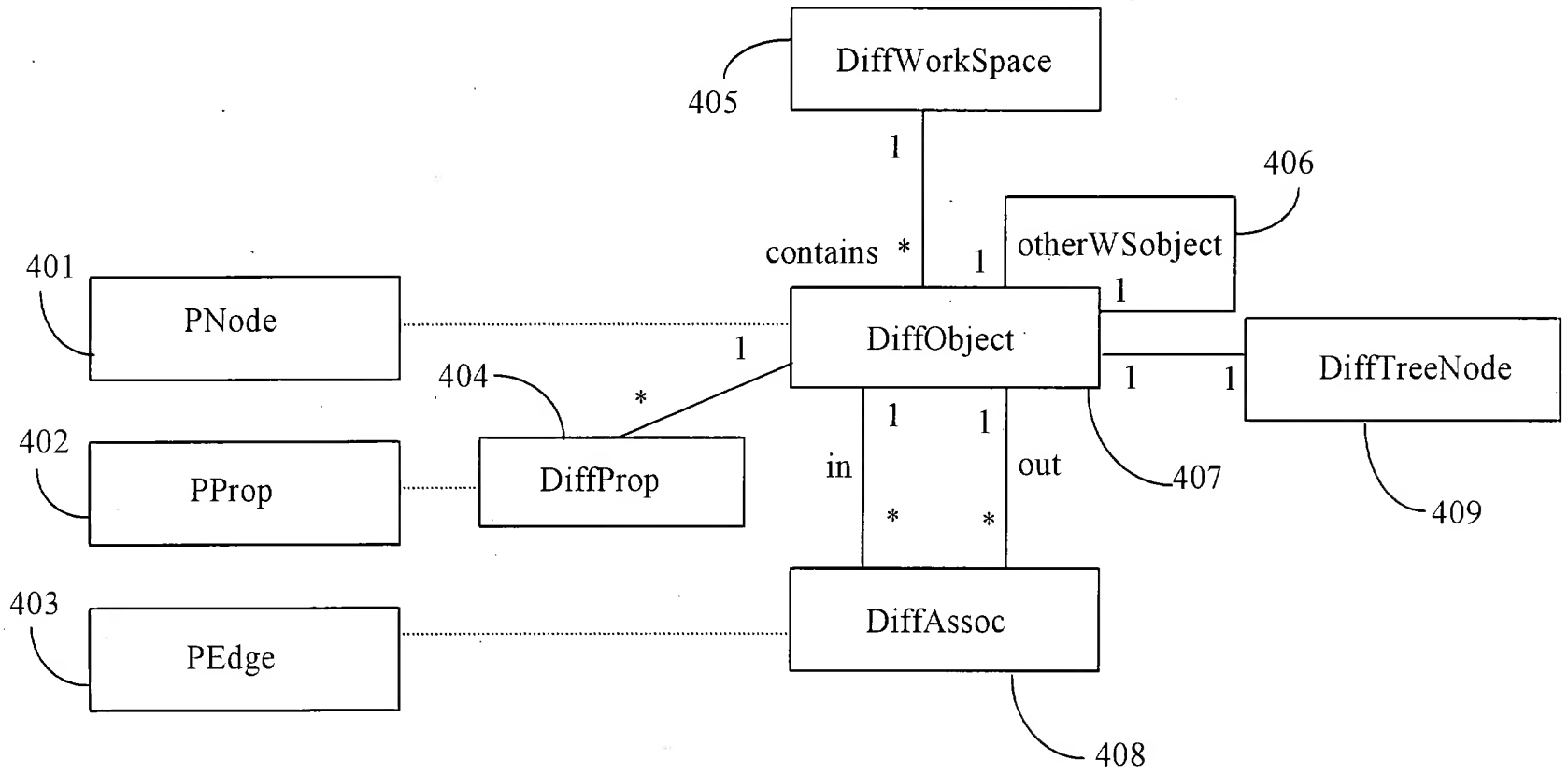
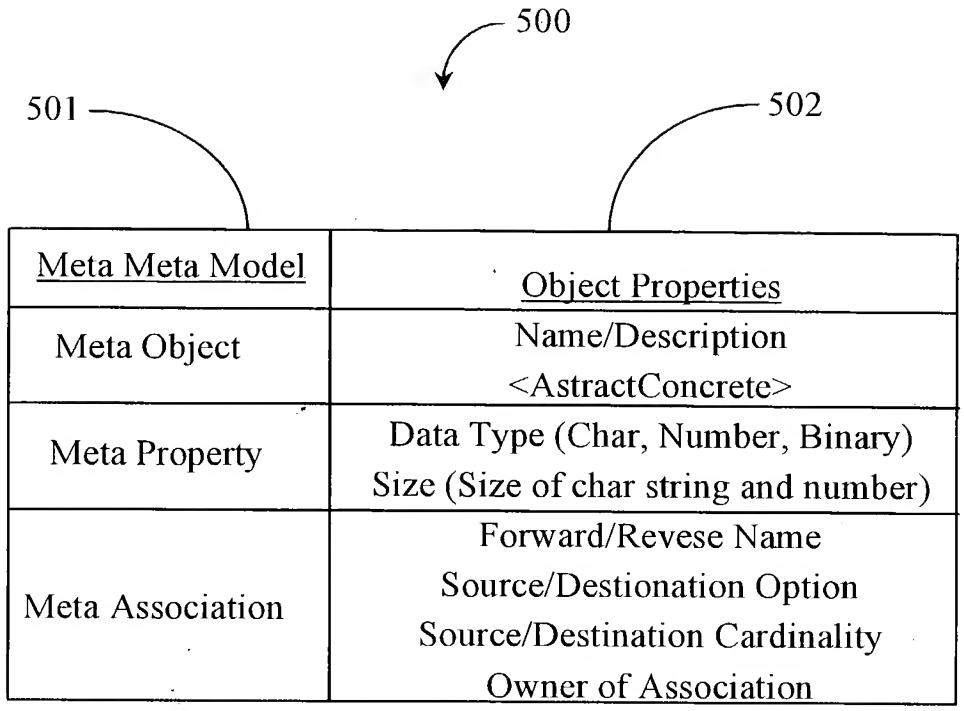
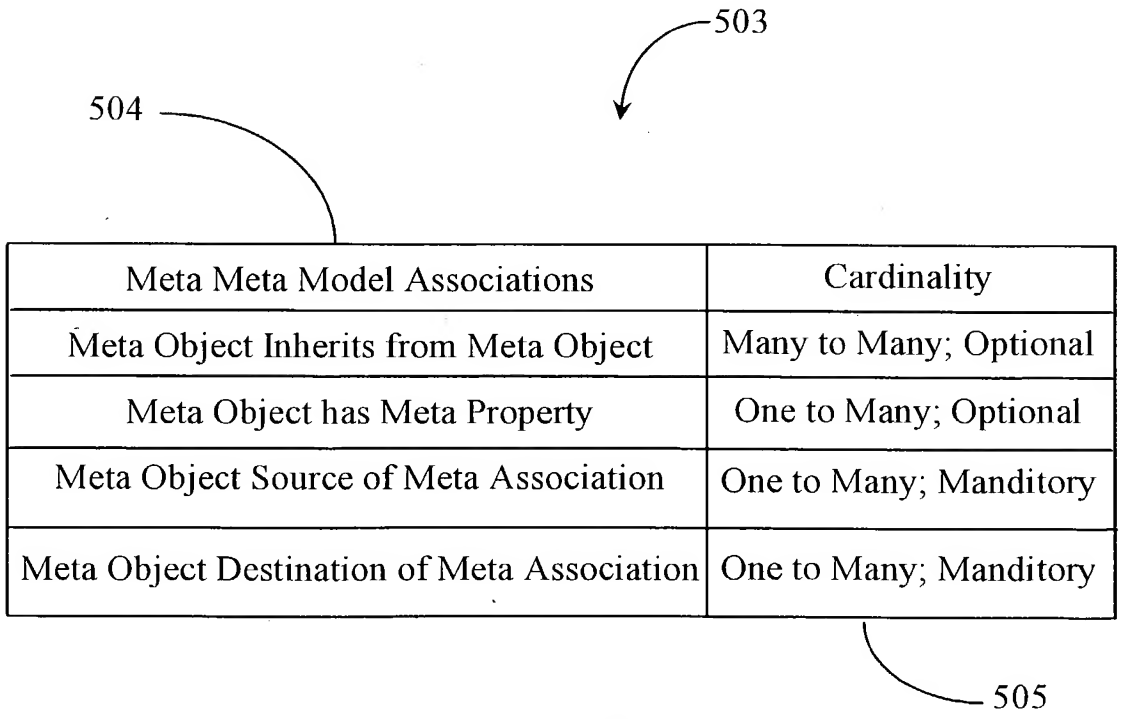


Fig. 4



Meta Meta Model	Object Properties
Meta Object	Name/Description <AstractConcrete>
Meta Property	Data Type (Char, Number, Binary) Size (Size of char string and number)
Meta Association	Forward/Revese Name Source/Destionation Option Source/Destination Cardinality Owner of Association

Fig. 5A



Meta Meta Model Associations	Cardinality
Meta Object Inherits from Meta Object	Many to Many; Optional
Meta Object has Meta Property	One to Many; Optional
Meta Object Source of Meta Association	One to Many; Manditory
Meta Object Destination of Meta Association	One to Many; Manditory

Fig. 5B

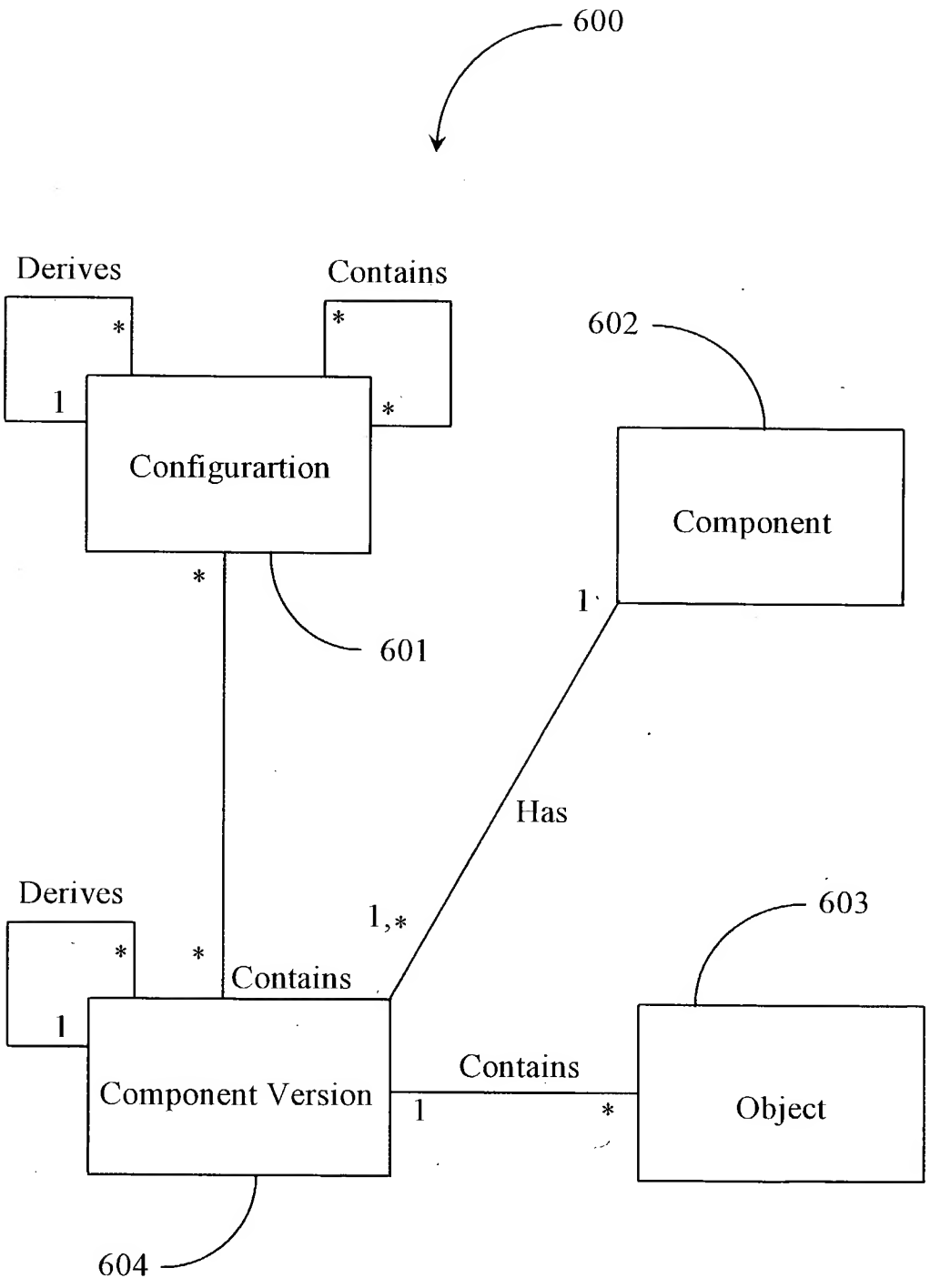

600
Derives
Contains
*
*
1
*
Configurartion
602
Component
*
1
601
Has
Derives
1,*
603
*
*
Contains
1
Component Version
Contains
1
*
Object
604

Fig. 6.

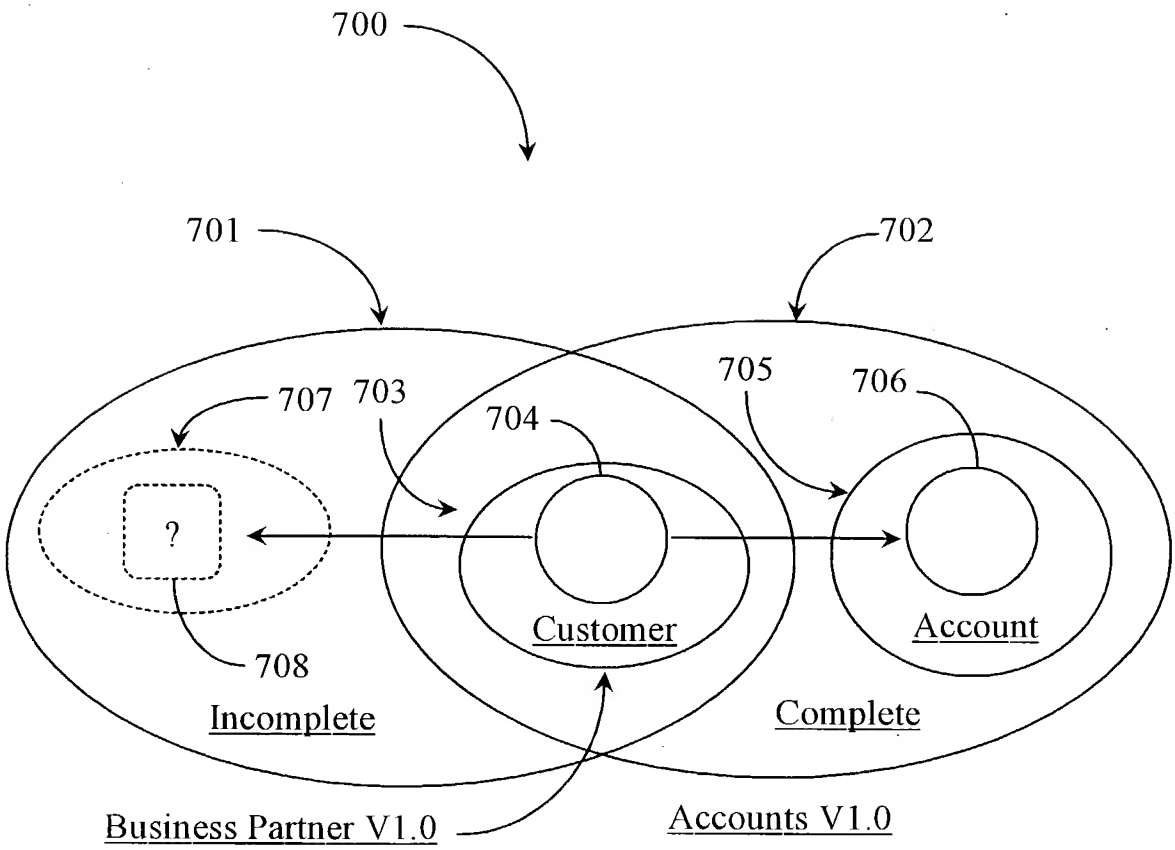

700
701
702
707
703
704
705
706
?
708
Customer
Account
Incomplete
Complete
Business Partner V1.0
Accounts V1.0

Fig. 7

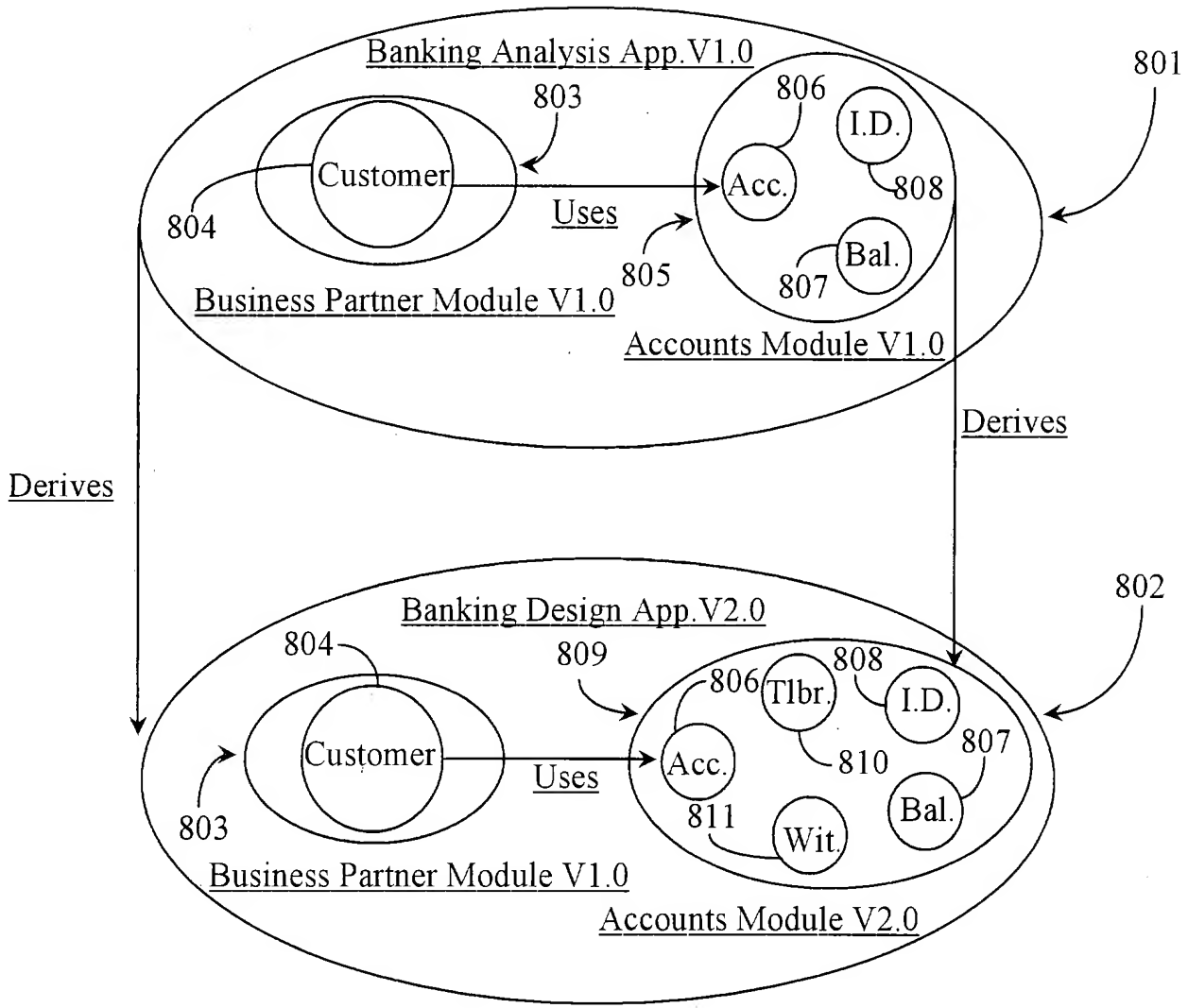

Banking Analysis App.V1.0
801
803
806
I.D.
Customer
Acc.
808
804
Uses
805
Bal.
807
Business Partner Module V1.0
Accounts Module V1.0
Derives
Derives
802
Banking Design App.V2.0
804
809
808
806
Tlbr.
I.D.
Customer
Acc.
807
Uses
810
803
811
Bal.
Wit.
Business Partner Module V1.0
Accounts Module V2.0

Fig. 8

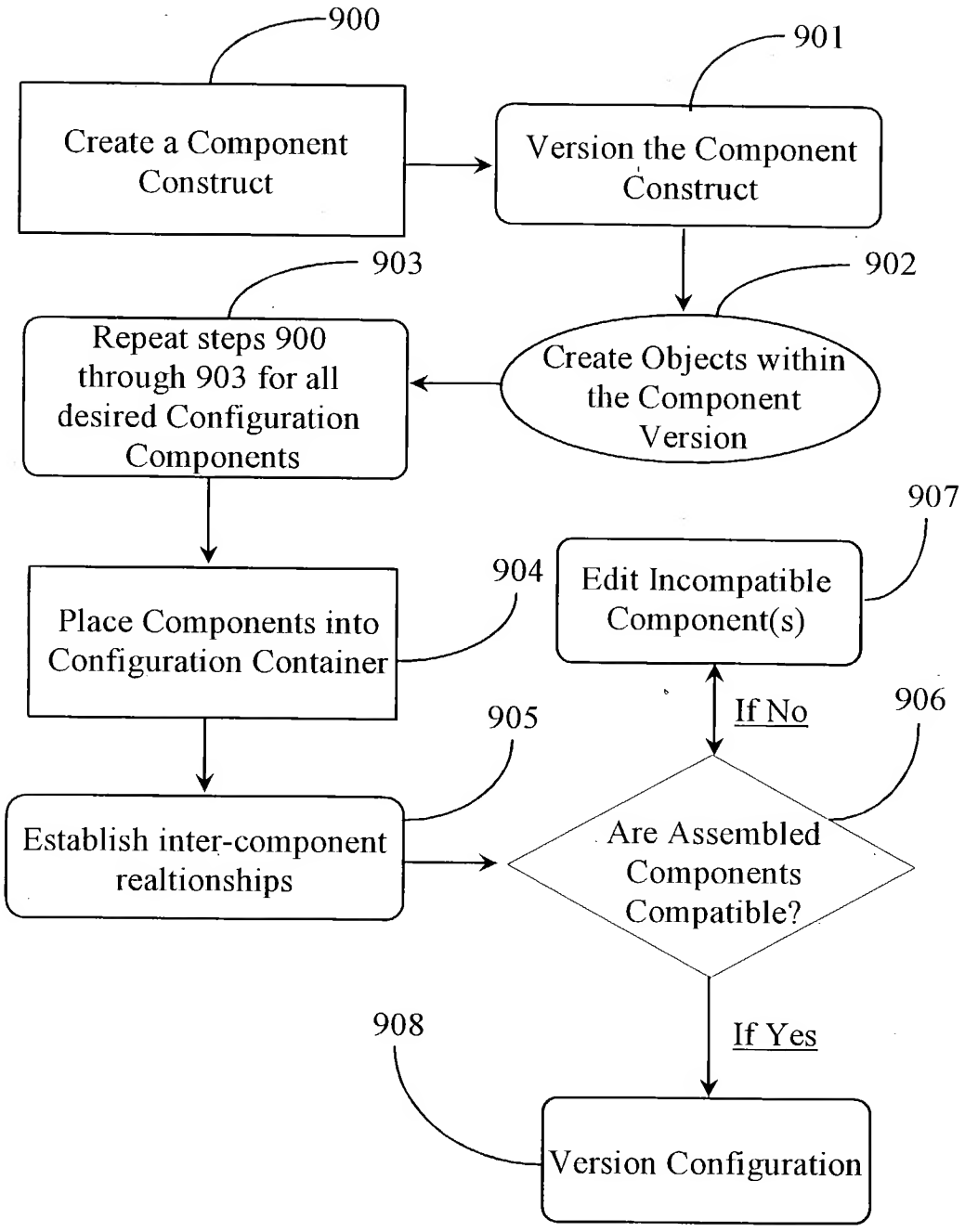

900
Create a Component Construct
901
Version the Component Construct
902
Create Objects within the Component Version
903
Repeat steps 900 through 903 for all desired Configuration Components
904
Place Components into Configuration Container
905
Establish inter-component realtionships
906
Are Assembled Components Compatible?
If No
907
Edit Incompatible Component(s)
If Yes
908
Version Configuration

Fig. 9